

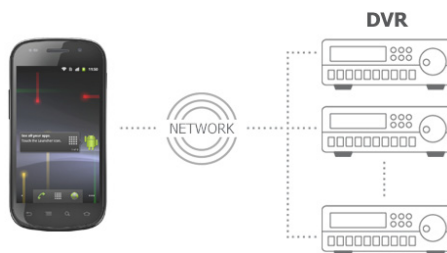
aPDR-mobile for Android

aPDR-mobile for Android allows you to access remote DVRs and monitor live video via network connection using the Android platform based mobile devices anytime from virtually anywhere.


System Requirements

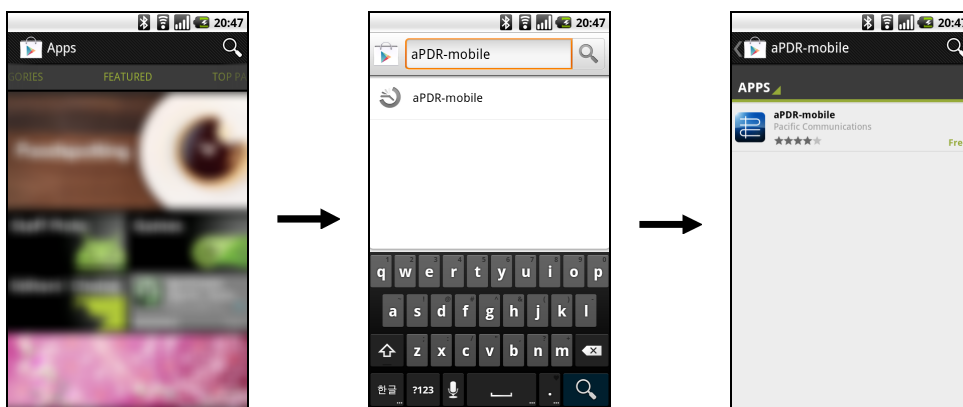
- Operating System: Google Android 2.0 to 4.0.4
- Processor: ARMv5TE, ARMv6 and ARMv7-A compatible processor
- Display: 240x240 pixel to 1280x800 pixel
- Storage: 25MB or more
- Network: Wi-Fi or mobile network (3G or 4G) supported by the Android mobile device

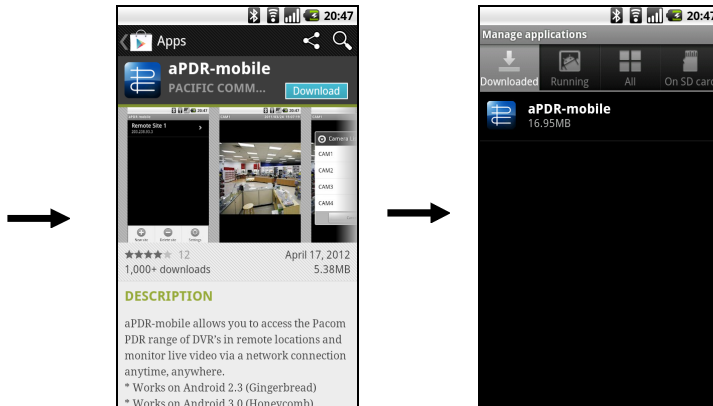
System Diagram



Installation

1. Run the  Play Store (Google Play) application in the device.
2. Enter aPDR-mobile in the search field of the Play Store (Google Play) application.
3. Install the aPDR-mobile program and run the program.





NOTE: If you want to remove the aPDR-mobile program, go to **Settings** → **Applications** → **Manage applications**. Tap **aPDR-mobile** and **Uninstall** button.

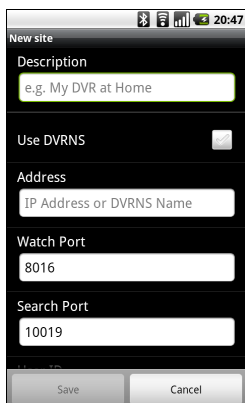
Operation

1. Run the aPDR-mobile program. Push the Menu button of the device and the following default menu is displayed.



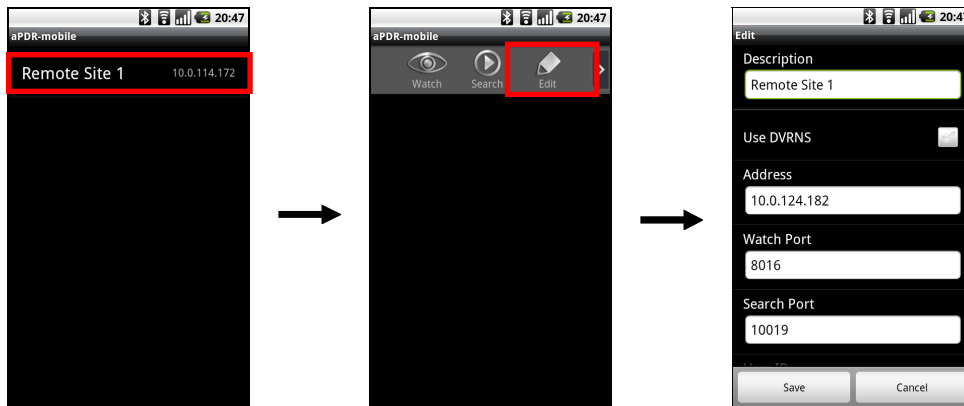
- **New site:** Tap to register DVRs.
- **Delete site:** Tap to delete a DVR. This menu will be available only when there are DVRs registered.
- **Settings:** Tap to edit the settings or check the information about the aPDR-mobile program.

2. Tap the **New site** button and enter the DVR information to register the DVR.

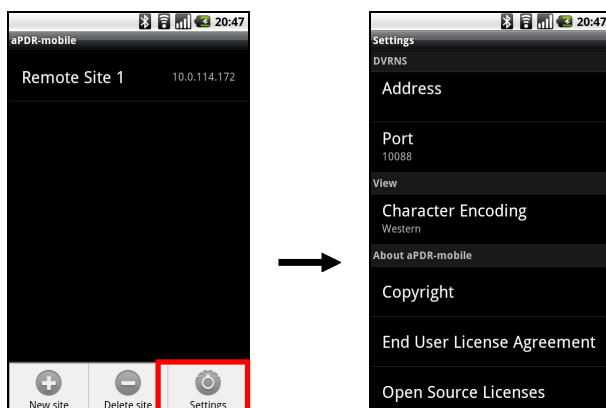


- **Description:** Enter the DVR name to use in the aPDR-mobile program.
- **Use DVRNS:** If the DVR uses the DVRNS function, enable the **Use DVRNS** option. You can set up the information for the DVRNS server by tapping the **Settings** button in the default menu.
- **Address, Watch Port, Search Port:** Enter the IP address and port number of the DVR. If the DVR uses the DVRNS function, check that the **Use DVRNS** option is enabled and enter the DVR name registered on the DVRNS server instead of the IP address. The name you enter should match the name set during the DVRNS setup on the DVR.
- **User ID, Password:** Enter the user ID and password. The user ID and password you enter should match the user ID and password used to log on to the DVR.

3. If you want to edit the information for the registered DVR, select the DVR from the DVR list. Tap **Edit** in the menu and edit the information.



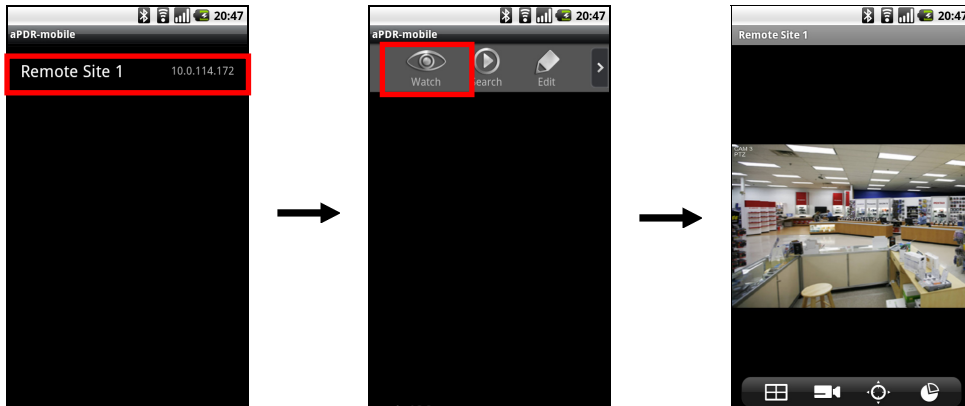
4. Tap the **Settings** button in the default menu. Check the settings for the aPDR-mobile program and edit the settings if necessary.



- **DVRNS:** If the DVR uses the DVRNS function, set up the information for the DVRNS server. Enter the IP address (or domain name) and port number of the DVRNS server. The IP address (or domain name) and port number of the DVRNS server should match them registered on the DVRs.
- **View:** Select the language to be used when displaying text on the monitored video such as camera titles. The language should match the language of the text so that textual information is displayed properly. If the language of the text is not supported by Character Encoding of the aPDR-mobile program, select Western.

Monitoring

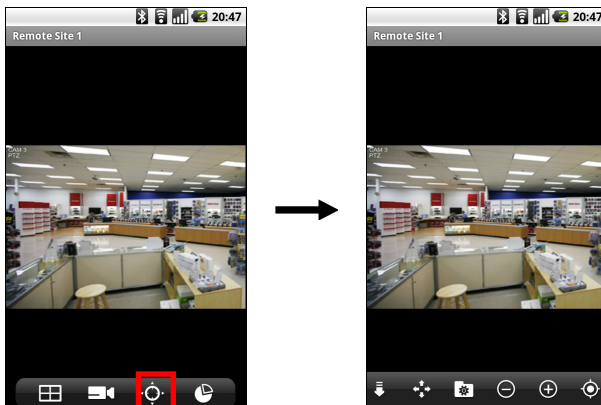
1. Select a DVR from the DVR list, and a menu is displayed. Tap **Watch**. Video from the DVR is displayed on the screen.



- Screen: Tapping a camera screen displays video from the camera in single-screen layout. Pushing the Cancel button of the device returns to the previous layout. Dragging the screen moves to the previous or next camera group as long as there is video for the groups in the current screen layout. Tapping a camera screen in single-screen layout hides or displays OSD (On Screen Display) information.
- (Layout): Changes the screen layout. Tapping the button displays a list of available layouts and allows you to select a layout. In landscape, tapping and holding the screen displays a list of available layouts.
- (Camera): Displays a list of camera channels. Tapping a channel displays video from that camera. This function is not supported in landscape.
- (PTZ Mode): Enters the PTZ mode and allows you to control a PTZ camera (in single-screen layout only). This is not available if a PTZ camera is not configured in the DVR. A PTZ icon is displayed on the camera screen when the PTZ mode is available.
- (Received Data): Displays the data volume. This function is not supported in landscape.

PTZ Control

Tapping the (PTZ Mode) button enters the PTZ mode and allows you to control the PTZ camera.



- (Exit): Exits the PTZ mode.
- (Move): Allows you to move the PTZ camera direction.
- (Preset View): Displays a list of Presets, which you have set in the DVR. Tapping a Preset moves the PTZ camera to the location.
- (Zoom Out/In): Zooms out or in video.
- (Focus Near/Far): Focuses near or far.
- (IRIS Close/Open): Closes or opens IRIS.

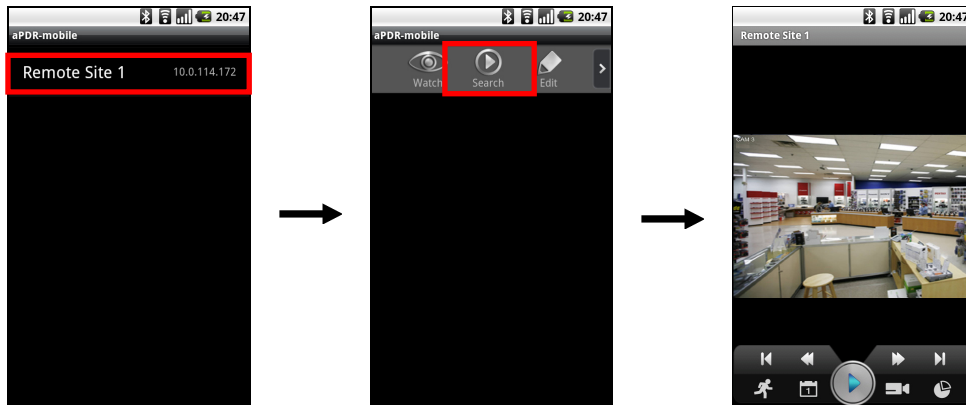
NOTE: Not all PTZ functions above may be supported in landscape.

NOTE: Dragging screen in the PTZ mode moves the PTZ camera in the opposite direction.

2. Push the Cancel button of the device to monitor video from other DVRs. The current connection is released and the default menu is displayed.

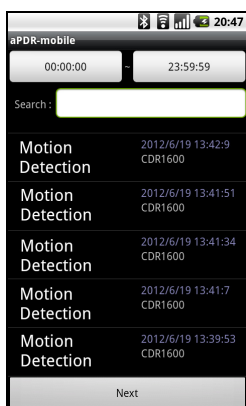
Search and Playback

Select a DVR from the DVR list, and a menu is displayed. Tap **Search**. Video recorded in the DVR is displayed on the screen.



- Screen: Supports single-screen layout only. Tapping a camera screen hides or displays OSD (On Screen Display) information.
- ▶/⏸ (Play/Pause): Plays or pauses recorded video on the screen.
- ⏮/⏭ (Move to the First Image/Last Image): Moves to the first/last recorded image of the date.
- ⏮/⏭ (Fast Backward/Forward): Plays back recorded video fast backward or fast forward.
- ⏮/⏭ (Move to the Previous Image/Next Image): Moves to the previous/next image (frame). This function is not supported in portrait.
- 🔍 (Event Search): Allows you to search video recorded in event recording mode. This function is not supported in landscape.
- 📅 (Calendar Search): Allows you to search video recorded in time-lapse recording mode. This function is not supported in landscape.
- 📷 (Camera): Displays a list of camera channels. In landscape, tapping and holding the screen displays a list of camera channels. Tapping a channel displays recorded video from that camera.
- 📶 (Received Data): Displays the data volume. This function is not supported in landscape.

Search by Event

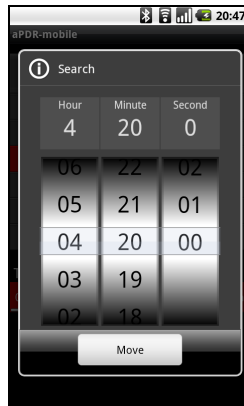
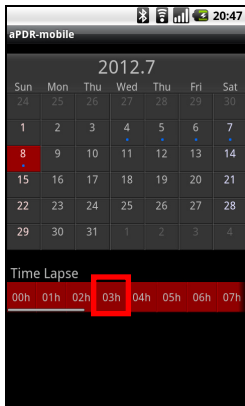


A list of event recordings that occurred during the defined time on the same date as the recorded video on the current screen is displayed (supported only for Alarm In, Motion Detection and Video Loss events). If you want to search for event recordings for other dates, change the date by using Calendar Search and repeat Event Search.

- **Search:** If you enter text that you want to search for, search results matching the text are displayed from the event recording list.
- **Event List:** Tapping an event from the list displays the event-detected image on the screen. Tapping the **Next** button at the bottom displays the next 100 events.

NOTE: This feature is NOT supported for PC-based DVRs.

Search by Calendar



Tapping a date on the calendar displays the recorded data from the selected date by time in one-hour segments at the bottom. → Tapping a specific hour at the bottom allows you to select a precise time down to the minute and second. → Tapping the **Move** button displays recorded video of the selected time.